



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,585	06/27/2005	Kazuo Mizubuchi	033622-012	5370
21839	7590	09/02/2008	EXAMINER	
BUCHANAN, INGERSOLL & ROONEY PC			NUTTER, NATHAN M	
POST OFFICE BOX 1404				
ALEXANDRIA, VA 22313-1404			ART UNIT	PAPER NUMBER
			1796	
			NOTIFICATION DATE	DELIVERY MODE
			09/02/2008	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/540,585	MIZUBUCHI ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	Nathan M. Nutter	1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 28 July 2008.

2a) This action is **FINAL**.                    2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1 and 6 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1 and 6 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All    b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>07-08</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____.

## DETAILED ACTION

### ***Response to Amendment***

In response to the amendment filed 28 July 2008, the following is placed in effect.

The rejection of claims 1-3 and 6 under 35 U.S.C. 102(b) as being clearly anticipated by Yoshinaka et al (US 5,310,598), is being made under the auspices of 35 U.S.C. 103, below.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 6 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Oku (US 5,276,080).

Note column 5 (line 45) to column 6 (line 20), column 7 (lines 55-63), column 9 (lines 55-64) and the paragraph bridging column 10 (line 58) to column 11 (line 17).

Claims 1 and 6 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Shimasaki et al (US 5,498,654).

Note the Abstract, column 3 (lines 23-35) and column 4 (lines 40-49).

Claim 1 is rejected under 35 U.S.C. 102(b) as being clearly anticipated by Yamamoto et al (US 5,988,891).

Note the Abstract, column 4 (lines 33-52), column 5 (lines 29-44), column 5 (line 45) to column 7 (line 27).

Claims 1 and 6 are rejected under 35 U.S.C. 102(e) as being anticipated by Sato et al (US 6,675,770).

Note column 3 (lines 29-41), column 5 (lines 1-15 and 44-54), the paragraph bridging column 5 to column 6, the paragraph bridging column 11 to column 12, column 13 (lines 35-43) and column 14 (lines 29-44 and 50-56) and the Examples.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 and 6 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yoshinaka et al (US 5,183,594).

The reference to Yoshinaka et al teaches the production of a resin composition that may comprise a tetrafluoroethylene polymer at column 12 (lines 38-53) with zinc oxide whiskers having a tetrapodal shape with particulate and fibrous filler materials including talc, glass fiber, copper, zinc oxide, graphite, etc.. Note column 13 (lines 35-43) and column 14 (lines 29-44). Note the paragraph bridging column 11 to column 12, column 14 (lines 50-56) and the Examples for the compositional limitations that overlap with those recited herein. Note the paragraph bridging column 8 to column 9. The reference shows the contemplated sizes for the zinc oxide whiskers, as recited herein, at the paragraph bridging column 11 to column 12, and teaches the benefits of size. This suggestion is sufficient to establish a size range for the particulate and other fibrous materials as added herein. As such, the instant claims are deemed to be at least obvious, if not anticipated, by the teachings of the reference to Yoshinaka et al.

Claims 1 and 6 are rejected under 35 U.S.C. 103(a) as obvious over Yoshinaka et al (US 5,310,598).

The reference teaches the production of the PTFE composition. Note column 2 (lines 4-10), the paragraph bridging column 2 to column 3, the paragraph bridging column 3 to column 4, column 6 (line 35) to column 7 (line 2) and the many Examples. Though the reference does not teach the compositional limitations of the constituents, as now claimed, a skilled artisan would know what parameters would be suitable with a view to the end-use of the composition.

***Response to Arguments***

Applicant's arguments filed 28 July 2008 have been fully considered but they are not persuasive.

With regard to the rejection of claims 1 and 6 under 35 U.S.C. 102(b) as being clearly anticipated by Oku (US 5,276,080), the reference teaches the polytetrafluoroethylene polymer, as claimed herein. The form or characterization as a lubricant is not deemed to be relevant since there is nothing in the claims to differentiate thereover.

With regard to the rejection of claims 1 and 6 under 35 U.S.C. 102(b) as being clearly anticipated by Shimasaki et al (US 5,498,654), the inclusion of an aromatic polyester resin is not excluded by the language of the instant claims. The reference is taken for the entirety of its disclosure. Whether a constituent is required or optional is not relevant since the material may, in fact, be present.

With regard to the rejection of claim 1 under 35 U.S.C. 102(b) as being clearly anticipated by Yamamoto et al (US 5,988,891), applicants have failed to differentiate the resins of the reference from those recited herein. Nothing in the claims is drawn to melt-moldability.

With regard to the rejection of claims 1 and 6 under 35 U.S.C. 102(e) as being anticipated by Sato et al (US 6,675,770), applicants, again, have failed to differentiate the resins of the reference and those recited herein. Further, the scope of a patent is not

determined by any specific Examples, or even lack thereof, but on the entirety of its disclosure.

With regard to the rejection of claims 1 and 6 under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yoshinaka et al (US 5,183,594), it is pointed out that the reference, does, indeed, disclose the fluororesin of the claims, as previously pointed out by the Examiner. The concept of melt-processability is neither recited in the claims in any form, nor is it deemed to be relevant in view of the disclosure of the reference. Applicants have, again, failed to differentiate their fluororesin from that of the reference.

With regard to the rejection of claims 1 and 6 under 35 U.S.C. 103(a) as obvious over Yoshinaka et al (US 5,310,598), applicants have failed to establish any differences from the resins of the reference and their own.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

Art Unit: 1796

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan M. Nutter whose telephone number is 571-272-1076. The examiner can normally be reached on 9:30 a.m.-6:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James J. Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1796

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nathan M. Nutter/  
Primary Examiner, Art Unit 1796

nmm

26 August 2008